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Data sheet 6AG4104-4GN13-4JX1

SIMATIC IPC547G (Rack PC, 19", 4HU); Interfaces: 2x USB 3.0 on the front; 2x Intel Gigabit Ethernet, 2x PS/2, Audio on the rear side; 7 slots: 5x PCI Express, 2x PCI, Temperature and Fan monitoring; Watchdog; Card retainer Core i5-6500 (4C/4T, 3.2 (3.6) GHz, 6 MB cache, iAMT); Mainboard: (chipset C236, 1x DVI-D, 2x display ports V1.2, 4x USB 3.0 and 4x USB 2.0 on the rear side, 1x USB 2.0 internal, 1x COM 1; RAID onboard) RAID1, 1 TB (2x 1 TB HDD) in interchangeable insert, hot-swap, front-side 8 GB DDR4 SD-RAM (2x 4 GB), Dual Channel Enclosure blue chromated, 2x 100/240V AC redundant Industrial power supply unit, without removable data storage media Serial (COM2)+parallel (LPT) Graphics onboard; Adapter cable DP According to VGA for onboard graphic Windows 10 IoT Enterprise 2019 LTSB MUI (en/de/fr/it/es), 64-bit for Pentium/Core i5 without expansions (software) Power supply cable Europe

General information	
Product type designation	IPC547G
Installation type/mounting	
Mounting	For horizontal and vertical installation; prepared for telescopic rails; 19" mounting bracket can be removed externally; tower kit (optional)
Design	Rack PC, 19", 4U
Supply voltage	
Type of supply voltage	100/240 V AC (autorange) 50 / 60 Hz; optional redundant 100/240 V AC
Line frequency	
● Rated value 50 Hz	Yes
● Rated value 60 Hz	Yes
Mains buffering	
● Mains/voltage failure stored energy time	20 ms
Processor	
Processor type	Xeon E3-1275 v5 (4C/8T, 3.6 (4.0) GHz, 8 MB Cache); Core i7-6700 (4C/8T, 3.4 (4.0) GHz, 8 MB Cache); Core i5-6500 (4C/4T, 3.2 (3.6) GHz, 6 MB Cache); Pentium G4400 (2C/2T, 3.3 GHz, 3 MB Cache)
Chipset	Intel C236 / Intel H110
Graphic	
Graphics controller	Onboard Intel HD graphics P530 / 530 /510 integrated in processor; graphics card PCIe (x16) (dual head: 2x VGA or 2x DVI-D) (optional)
Drives	
Optical drives	DVD±R/RW (SlimLine)
Hard disk	Internal installation: 1 TB HDD, 2x 1 TB HDD, RAID1 (2x 1 TB HDD), RAID1 (2x 1 TB HDD (Enterprise)); for front mounting in low-profile removable drive bay trays (hot-swap in RAID configuration): 1 TB HDD, 2x 1 TB HDD, RAID1 (2x 1 TB HDD), RAID1 (2x 1 TB HDD (Enterprise)), RAID1 (2x 2 TB HDD (Enterprise)), RAID1 (2x 2 TB HDD (Enterprise)) + 1x 2 TB HDD (Enterprise) as hot spare, RAID1 (2x 2 TB HDD (Enterprise)) + 1x 480 GB SSD, RAID5 (3x 2 TB HDD (Enterprise)), RAID5 (3x 2 TB HDD (Enterprise)) + 1x 2 TB HDD(Enterprise) as hot spare
SSD	Yes; 1x 240 GB, 1x 480 GB SSD, 2x 480 GB SSD, RAID1 (2x 480 GB SSD)
Slot for drives	Mounted internally in vibration/shock-absorbing hard disk support, or mounted at the front in the low-profile removable drive bay (hot-swap in RAID configurations)
Storage	
Main memory	4 GB to 64 GB DDR4-2133 SDRAM
Capacity of main memory, max.	64 Gbyte
Interfaces	
Interfaces/bus type	Interfaces mainboard (H110 chipset): 2x Intel Gigabit Ethernet (RJ45, teaming-capable), 4x USB 3.0: 2x on rear, 2x on front, 4x USB 2.0: 4x on rear, 1x DisplayPort V1.2, 1x DVI-D, 2x PS/2, audio: Line in, line out, micro; interfaces mainboard (C236 chip set): 2x Intel Gigabit Ethernet (RJ45, teaming-capable), 6x USB 3.0: 4x on rear, 2x on front, 5x USB 2.0: 4x on rear, 1x internal e.g. for software dongle with optional interlock, 2x DisplayPort V1.2, 1x DVI-D, 1x COM1, 2x PS/2, audio: line in, line out, micro
serial interface	COM1: 1x RS 232, COM2 (optional): 1x RS 232

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Video interfaces	
● Graphics interface	2x DisplayPort and 1x DVI-D onboard; 1x VGA via DP-VGA adapter cable (optional); graphics card PCIe (x16), Dual Head (2x VGA or 2x DVI-D), 1 GB graphics memory (optional)
Industrial Ethernet	
● Industrial Ethernet interface	
— 100 Mbps	Yes
— 1000 Mbps	Yes
Interrupts/diagnostics/status information	
LED status display	POWER, HDD, TEMP, FAN, HDD0 ALARM, HDD1 ALARM, HDD2 ALARM, HDD3 ALARM
Integrated Functions	
Monitoring functions	
● Temperature monitoring	Yes
● Fan	Yes
● Monitoring function via network	Optional
Degree and class of protection	
IP (at the front)	IP30
IP (rear)	IP20
Standards, approvals, certificates	
CE mark	Yes; For use in industrial areas as well as domestic, business and commercial environments (emitted interference: EN 61000-6-3:2007 +A1:2011, noise immunity: EN 61000-6-2:2005)
CSA approval	Yes; CAN/CSA-C22.2 No. 61010-2-201 Second Edition
UL approval	Yes; UL 61010-2-201 Second Edition, File E85972
cULus	Yes; UL 61010-2-201 Second Edition; CAN/CSA-C22.2 No. 61010-2-201 Second Edition
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
Dust protection	With front door closed: G2 EN 779, 99% of particles > 0.5 mm are filtered
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	40 °C
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	60 °C
Vibrations	
● Vibration resistance during operation acc. to IEC 60068-2-6	Tested according to IEC 60068-2-6, 10 cycles; 20 to 58 Hz: 0.015 mm; 58 to 200 Hz: 2 m/s² (0.2 g)
Operating systems	
pre-installed operating system	Windows 7 Ultimate multi-language (32-bit / 64-bit); Windows 10 Enterprise 2015 LTSB, multi-language (64-bit); Windows 10 Enterprise 2016 LTSB, multi-language (64-bit); Windows 10 IoT Enterprise 2019 LTSC, multi-language (64-bit); Windows Server 2008 R2 Standard Edition incl. 5 multi-language clients (64-bit); Windows Server 2012 R2 Standard Edition incl. 5 multi-language clients (64-bit); Windows Server 2016 Standard Edition incl. 5 multi-language clients (64-bit)
without operating system	Yes
Dimensions	
Width	430 mm
Height	177 mm; 4U
Depth	446 mm; Device with short enclosure: 356 mm
Approvals / Certificates	
General Product Approval	

Miscellaneous Manufacturer Declaration

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General Product Approval

			BIS CRS	Manufacturer Declaration	China RoHS

General Product Approval

		Dangerous goods			
		Test Summary Report UN 38.3	Dangerous goods information	Dangerous goods information	Test Summary Report UN 38.3

Environment

Environmental Confirmations	Environmental Confirmations

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